

JP04 Rec'd PCT/PTO 05 AUG 2005

PCT #3

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of : **Mail Stop: PCT**
Kensuke NAGASHIMA et al. : Docket No. 2005_0757A
Serial No. 10/534,015 :
Filed May 5, 2005 :

PROCESS FOR PRODUCING QUINOLINECARBALDEHYDE
[Corresponding to PCT/JP2003/014134
Filed November 6, 2003]

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to the provisions of 37 CFR 1.56, 1.97 and 1.98, Applicants request consideration of the references listed on attached form PTO-1449 and any additional information identified below in paragraph 3. A legible copy of each reference listed on the Form PTO-1449 is enclosed, except a copy is not provided for:

- ☒ each U.S. Patent and U.S. Patent application publication;
- ☐ each reference previously cited in the international application PCT/_____; and/or
- ☐ each reference previously cited in prior parent application Serial No. _____.

1a. ☒ This Information Disclosure Statement is submitted:

within three months of the filing date (or of entry into the National Stage) of the above-entitled application, **or**

before the mailing of a first Office Action on the merits or the mailing of a first Office Action after the filing of an RCE,

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ACCOUNT NO. 23-0975

and thus no certification and/or fee is required.

- 1b. ☐ This Information Disclosure Statement is submitted

after the events of above paragraph 1a and prior to the mailing date of a final Office Action or a Notice of Allowance or an action which otherwise closes prosecution in the application, and thus:

(1) ☐ the certification of paragraph 2 below is provided, **or**

(2) ☐ the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

- 1c. ☐ This Information Disclosure Statement is submitted:

after the mailing date of a final Office Action or Notice of Allowance or action which otherwise closes prosecution in the application, and prior to payment of the issue fee, and thus:

the certification of paragraph 2 below is provided, and

the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

2. It is hereby certified

a. ☐ that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Statement, or

b. ☐ that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in §1.56(c) more than three months prior to the filing of the Statement.

3. ☒ Consideration of the following list of additional information (including any copending or abandoned U.S. application, prior uses and/or sales, etc.) is requested.

English Abstract of JP 06-316584 (corresponding patent of WO 94/06746, submitted in the IDS of May 5, 2005);

US 2003/0125355 A1 (corresponding patent of WO 01/60800, submitted in the IDS of May 5, 2005);

EP 0535548A1 corresponds to JP 06-329540A described in the instant specification; and

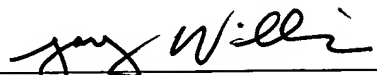
EP 0304063A2 corresponds to JP 01-279866A described in the instant specification.

4. For each non-English language reference listed on the attached form PTO-1449, reference is made to:
 - a. ☐ a full or partial English language translation submitted herewith,
 - b. ☒ a foreign patent office search report (in the English language) submitted with the IDS of May 5, 2005,
 - c. ☒ the concise explanation contained in the specification of the present application at page 2, lines 19-26,
 - d. ☒ the concise explanation set forth in the attached English language abstracts,
 - e. ☐ the concise explanation set forth below or on a separate sheet attached to the reference:
5. ☒ The foreign patent office search report citing one or more of the references was enclosed in the IDS of May 5, 2005.
6. ☐ Statement Under 37 CFR 1.704(d)

Each item of information contained in the Information Disclosure Statement was first cited in any communication from a foreign Patent Office in a counterpart application, and this communication was not received by any individual designated in §1.56(c) more than thirty days prior to the filing of the Information Disclosure Statement.

Respectfully submitted,

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August 5, 2005

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| Sheet 1 of 1 | | INFORMATION DISCLOSURE STATEMENT | | | | | |
| FORM PTO 1449 (modified) | | ATTY DOCKET NO. 2005_0757A | | AL NO. 10/534,015 | | | |
| U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | APPLICANT Kensuke NAGASHIMA et al. | | | | | |
| LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary) | | FILING DATE May 5, 2005 | | | GROUP | | |
| Date Submitted to PTO: August 5, 2005 | | | | | | | |
| U.S. PATENT DOCUMENTS | | | | | | | |
| *EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
| | BA | 2003/0125355 | 07/2003 | Tatsuta et al. | | | |
| FOREIGN PATENT DOCUMENTS | | | | | | | |
| | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION YES NO |
| | BB | 535548 | 4/1993 | EP | | | |
| | BC | 304063 | 2/1989 | EP | | | |
| | BD | 08-27114 | 1/1996 | JP | | | Abstract |
| | BE | 06-316584 | 11/1994 | JP | | | Abstract |
| | BF | 05-222086 | 8/1993 | JP | | | Abstract |
| OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | | |
| | BG | T. Hosokawa et al., "Palladium (II)-Catalyzed Acetalization of Terminal Olefins Bearing Electron-Withdrawing Substituents with Optically Active Diols", <u>Journal of Organic Chemistry</u> , Vol. 52, No. 9, pp. 1758-1764 (1987). | | | | | |
| | BH | T. Hosokawa et al., "Catalysis of Pd(II)-Catalyzed Acetalization of Alkenes with Diols", <u>Bulletin of the Chemical Society of Japan</u> , Vol. 63, No. 1, pp. 166-169 (1990). | | | | | |
| | BI | T. Bertrand et al., "Reactive Des Derives De Cyclopropylidene-3 Propyle-I Synthese D'Alcools β -Cyclopropylideniques", <u>Tetrahedron</u> , Vol. 37, No. 9, pp. 1703-1710 (1981) (English Abstract). | | | | | |
| | BJ | A. P. Kozikowski et al., "A Nitrile Oxide Based Entry to 2,3-Dihydropyran-4-ones. Synthesis of a Protected Version 'Compactin Lactone' in Racemic and Optically Active Forms", <u>Journal of Organic Chemistry</u> , Vol. 50, No. 6, pp. 778-785 (1985). | | | | | |
| | BK | A. G. Ismailov et al., "Synthesis and Reaction of Cyclopentyl β -Chlorovinyl Ketone", <u>Azerbaidzhanskii Khimicheskii Zhurnal</u> , Vol. 1, pp. 38-43 (1975). | | | | | |
| | BL | M. M. Guseinov et al., "Synthesis of Cyclohexyl β , β -Dialkoxyethyl and β -Alkoxyvinyl Ketones", <u>Azerbaidzhanskii Khimicheskii Zhurnal</u> , Vol. 2, pp. 55-59 (1967). | | | | | |
| | BM | <u>Ukr. Khim. Zh.</u> , Vol. 42, No. 4, pp. 407-410 (1976). | | | | | |
| EXAMINER | | | | DATE CONSIDERED | | | |

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not considered. Include copy of this form with next communication to applicant.

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